

Jie Bao

PERSONAL INFORMATION

ADDRESS: Montreal, Quebec, Canada
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COMPUTER SKILLS

PYTHON, TERRAFORM, TENSORFLOW, AZURE, LINUX, SQL, GIT, *L^AT_EX*

EDUCATION

CURRENT	Mila - Université de Montréal , Montreal, Quebec, Canada COMPUTER SCIENCE MASTER STUDENT (PART-TIME) <i>Data Science, Big Data, Computer Graphics and Reinforcement Learning</i>
2015 - 2021	Concordia University , Montreal, Quebec, Canada Thesis: Deep Learning for Turbulence Modeling <i>Master of Applied Science</i> , GPA: 4.0/4.3 <i>Bachelor of Engineering, Aerospace Engineering</i> Applied Machine Learning - COMP551 (McGill Campus IUT), Grade: A

WORK EXPERIENCE

CURRENT	Data Engineering Specialist I , CAE <i>DnAI - GlobalOps</i> Stack: Azure Data Factory, Terraform, Snowflake.
2021	Flightlink Engineer , AIRBUS <i>A220 - Skywise</i> Analyze and create test reports. Follow-up with clients and suppliers. Data analytics for predictive maintenance using Python(Tensorflow). Build analytical dashboards on A220 fleet performance metrics. Such as fleet availability statistics for other engineering groups.
2019-2021	Graduate Student Researcher , COMPUTATIONAL AEROSPACE LAB <i>Turbulence Modeling Technique using Machine Learning Techniques</i> Performed feature quality analysis using algorithm such as Relief. Data cleaning, acquisition and analysis using Matlab and Python. Created an end-to-end ML training pipeline for turbulent production and dissipation values. Achieved over 90% R^2 accuracy. Currently, working on analysing the NACA 0012 airfoil. Check out the progress on website and my other works.

LANGUAGES

FRENCH:, ENGLISH:, CHINESE (MANDARIN): Fluent
GERMAN: Basic Knowledge

INTERESTS AND ACTIVITIES

World History, Cross-country and alpine skiing, Avid Tennis player, Skateboard (Pint Onewheel)